

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058379.D
 Acq On : 24 Jun 2018 18:43
 Operator : VA/AP
 Sample : J3671-21
 Misc : 3.78g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-0481-180621

Manual Integrations
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Quant Time: Jun 25 05:32:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	684288	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	930865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.71	117	669507	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.92	152	344370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	404027	58.46	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.92%	
35) Dibromofluoromethane	5.56	113	401970	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
50) Toluene-d8	8.72	98	901260	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.94	95	369237	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.55	62	184010	51.33	ug/l	97
6) Chloroethane	1.89	64	33810	24.19	ug/l	95
16) Acetone	2.61	43	60977	64.51	ug/l	98
24) 1,1-Dichloroethane	3.98	63	36842	3.15	ug/l #	93
27) cis-1,2-Dichloroethene	4.82	96	978754	152.44	ug/l	86
31) Cyclohexane	5.61	56	53291	1.16	ug/l	90
39) Methylcyclohexane	7.30	83	300486	33.50	ug/l	97
40) Benzene	6.03	78	217331	9.91	ug/l	93
44) Trichloroethene	7.00	130	29996	4.55	ug/l	82
52) Toluene	8.82	92	43520	3.48	ug/l	96
65) Chlorobenzene	10.75	112	6168314	492.54	ug/l	95
67) Ethyl Benzene	10.87	91	213947	9.68	ug/l	98
68) m/p-Xylenes	11.02	106	20152	2.73	ug/l	78
69) o-Xylene	11.42	106	35213	5.00	ug/l	88
73) Isopropylbenzene	11.79	105	290255	14.09	ug/l	99
78) n-propylbenzene	12.16	91	712077	26.77	ug/l	100
80) 1,3,5-Trimethylbenzene	12.33	105	265270	16.51	ug/l	99
83) tert-Butylbenzene	12.59	119	342585	18.55	ug/l	99
84) 1,2,4-Trimethylbenzene	12.64	105	531484	30.43	ug/l	97
85) sec-Butylbenzene	12.76	105	829407	38.31	ug/l	84
86) p-Isopropyltoluene	12.90	119	126766	7.23	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	403099	37.60	ug/l	90
88) 1,4-Dichlorobenzene	12.94	146	2335599	223.09	ug/l	96
89) n-Butylbenzene	13.21	91	369550m	20.04	ug/l	
91) 1,2-Dichlorobenzene	13.22	146	6132220	672.14	ug/l	98
93) 1,2,4-Trichlorobenzene	14.35	180	248065	28.43	ug/l	95
95) Naphthalene	14.53	128	198315	17.25	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	39038	5.11	ug/l #	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

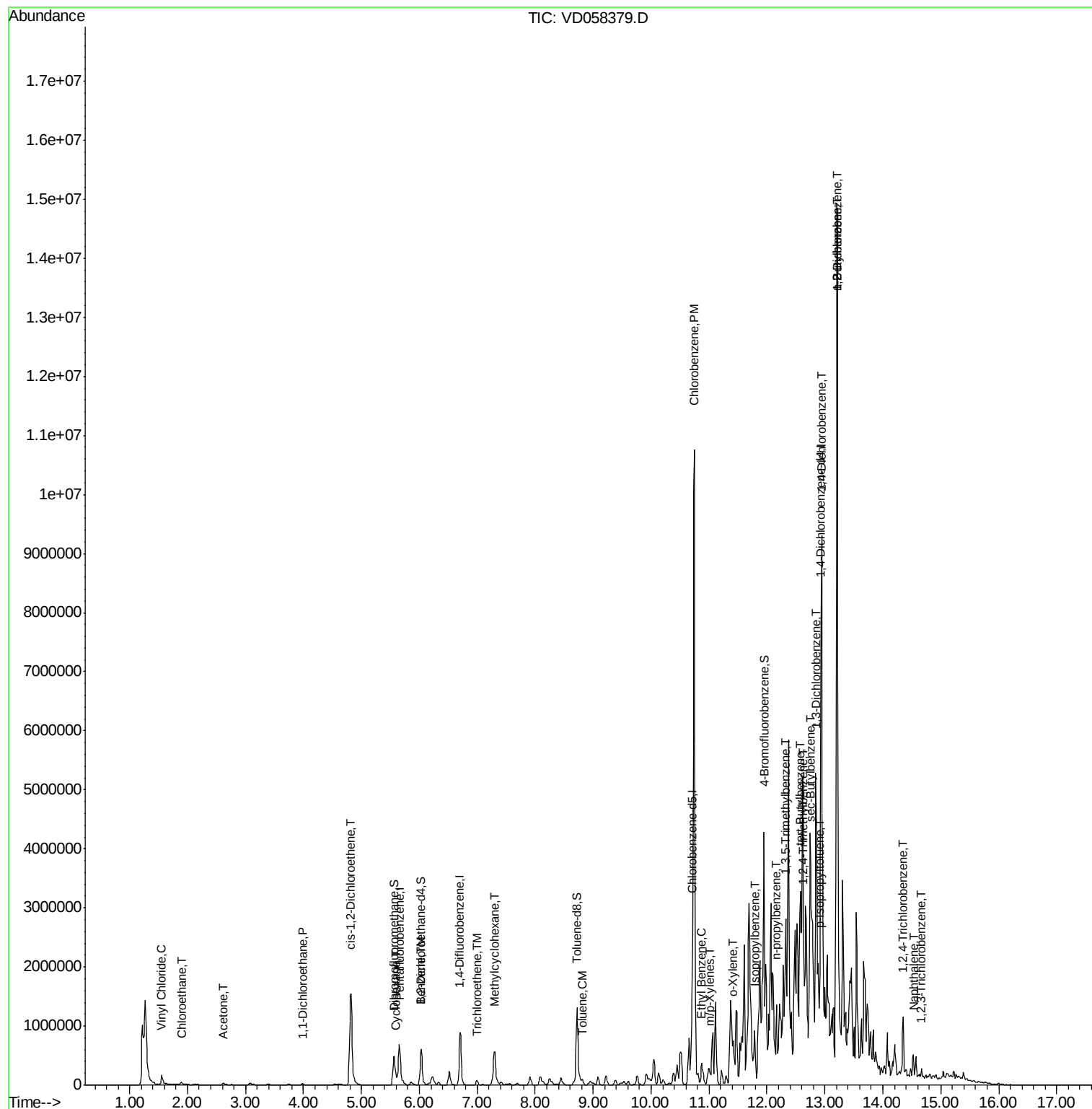
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062418\
Data File : VD058379.D
Acq On : 24 Jun 2018 18:43
Operator : VA/AP
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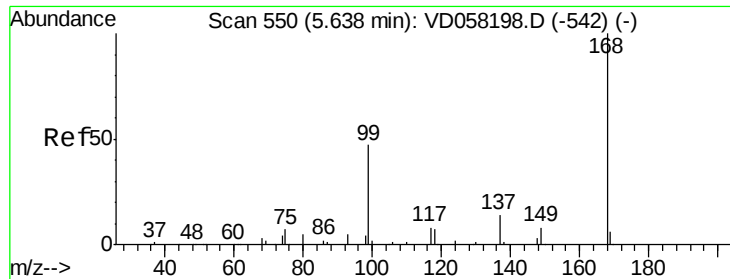
Instrument :
MSVOA_D
ClientSampleId :
DUP-0481-180621

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Quant Time: Jun 25 05:32:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

DUP-0481-180621

Tot Ion:168 Resp: 684288

Ion Ratio Lower Upper

168 100

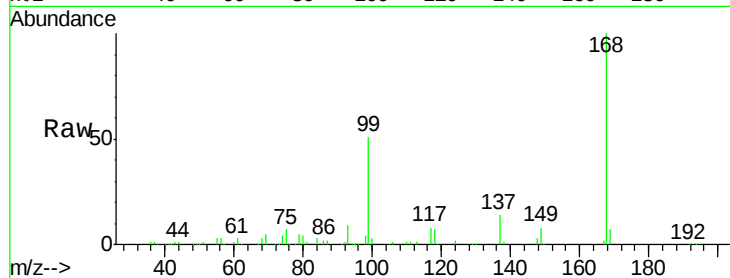
99 51.2 41.1 61.7

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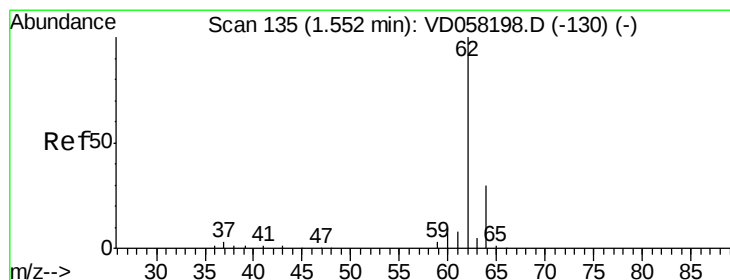
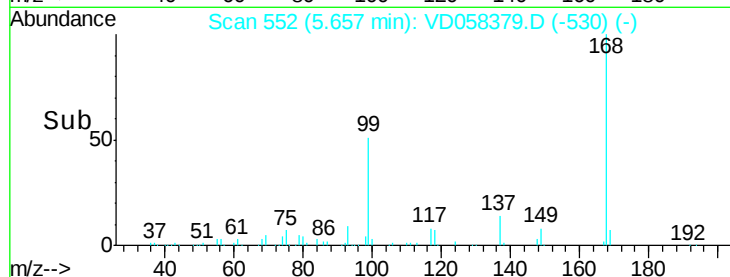
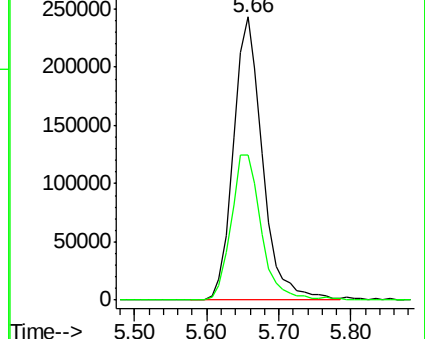
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 51.33 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058379.D

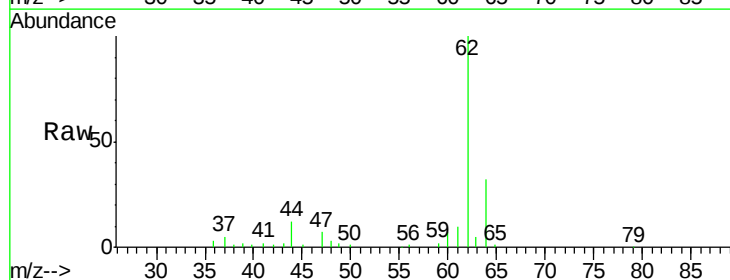
Acq: 24 Jun 2018 18:43

Tgt Ion: 62 Resp: 184010

Ion Ratio Lower Upper

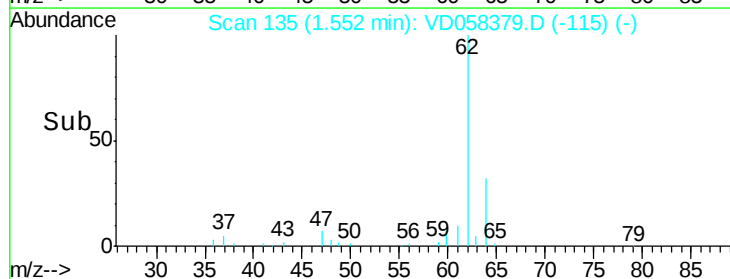
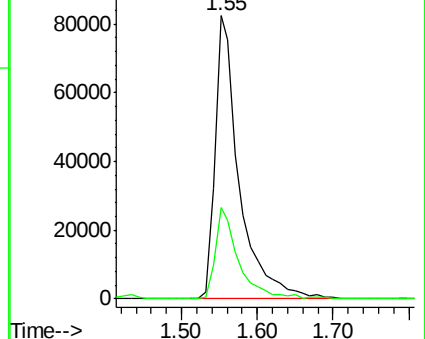
62 100

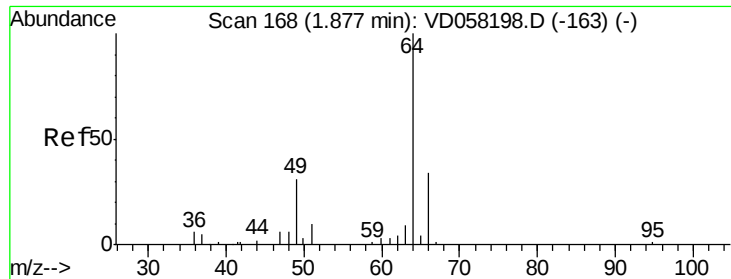
64 32.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#6

Chloroethane

Concen: 24.19 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

DUP-0481-180621

Tot Ion: 64 Resp: 33810

Ion Ratio Lower Upper

64 100

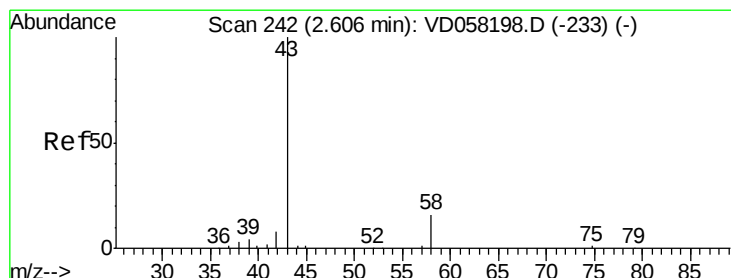
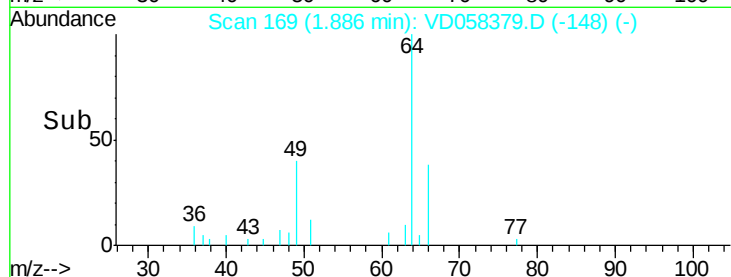
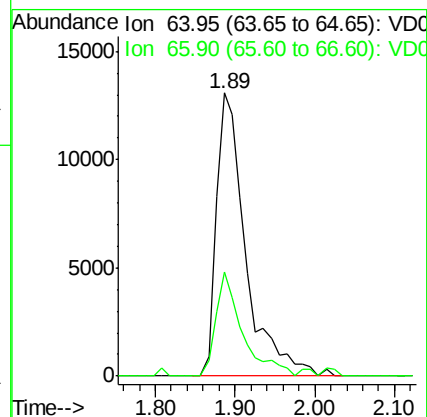
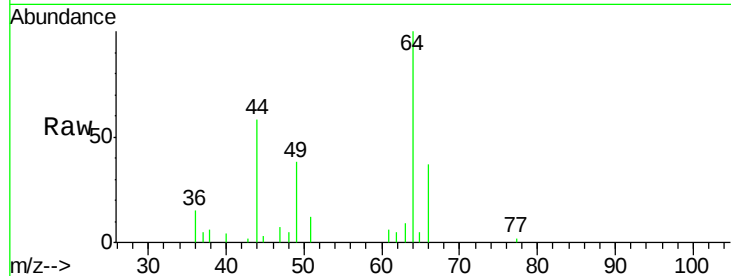
66 36.7 27.3 40.9

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#16

Acetone

Concen: 64.51 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058379.D

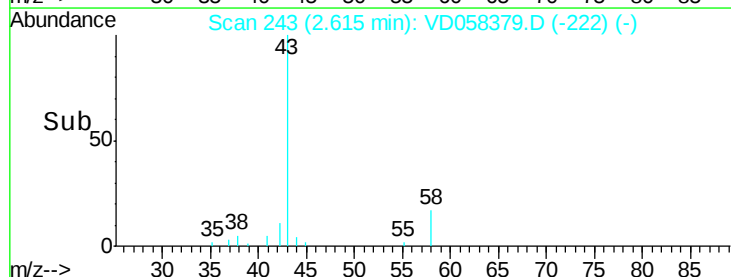
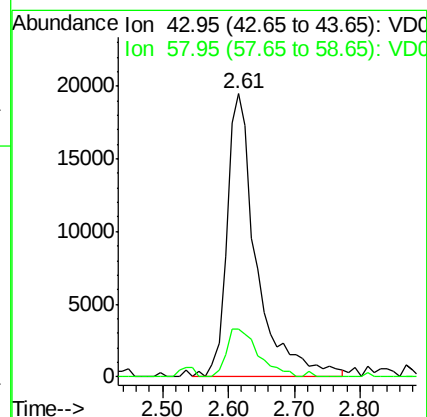
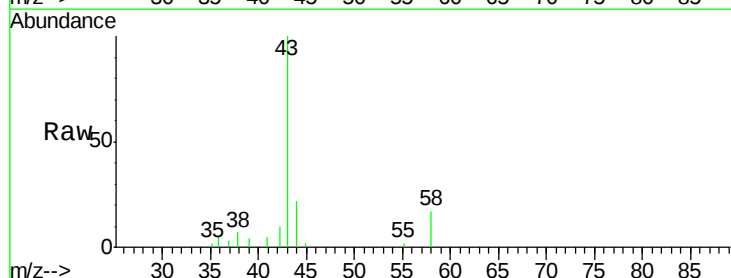
Acq: 24 Jun 2018 18:43

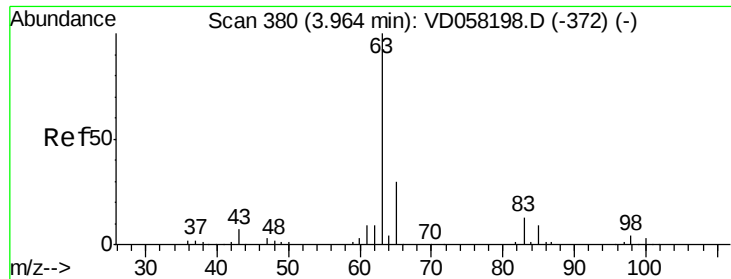
Tgt Ion: 43 Resp: 60977

Ion Ratio Lower Upper

43 100

58 16.7 12.7 19.1





#24

1,1-Dichloroethane

Concen: 3.15 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

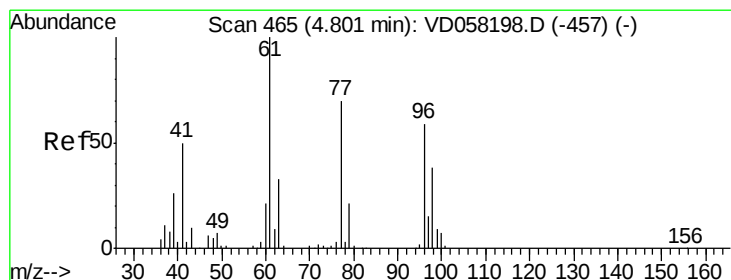
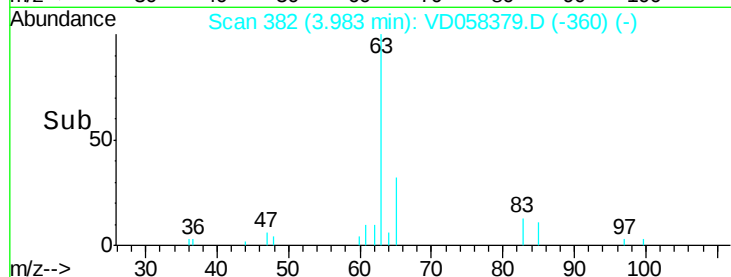
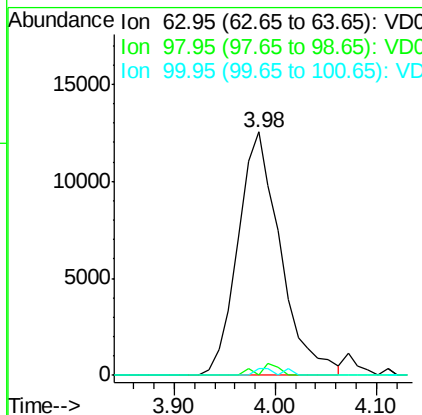
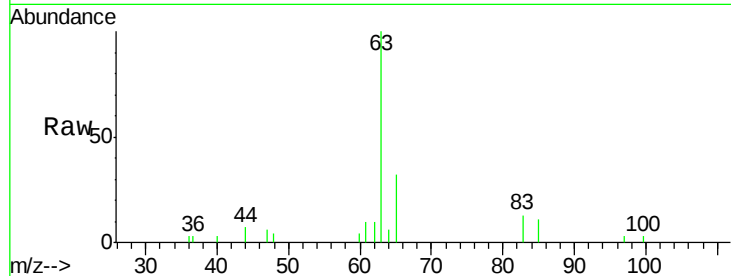
ClientSampleId :

DUP-0481-180621

Tot Ion:	63	Resp:	36842
Ion Ratio	Lower	Upper	
63	100		
98	0.0	1.9	5.7#
100	2.9	1.3	3.9

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#27

cis-1,2-Dichloroethene

Concen: 152.44 ug/l

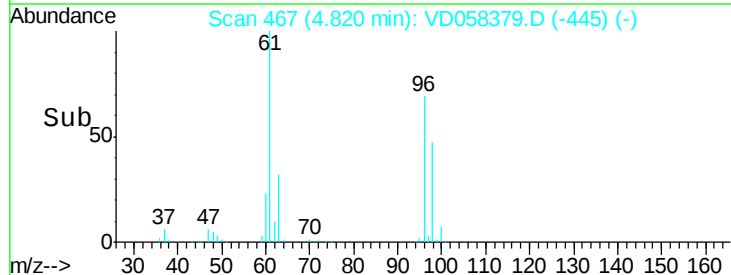
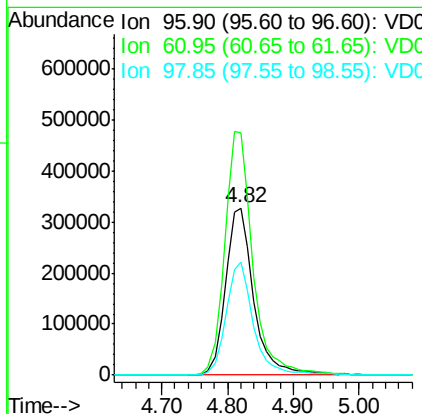
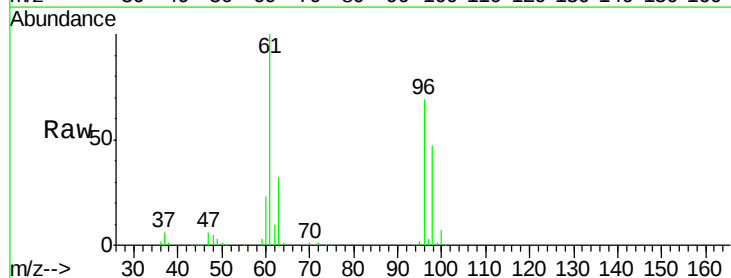
RT: 4.82 min Scan# 467

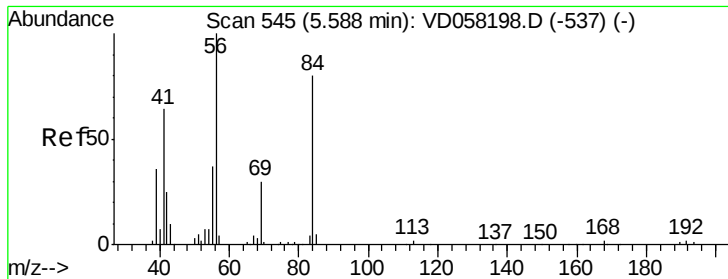
Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Tgt Ion:	96	Resp:	978754
Ion Ratio	Lower	Upper	
96	100		
61	145.6	0.0	338.6
98	68.0	0.0	130.2





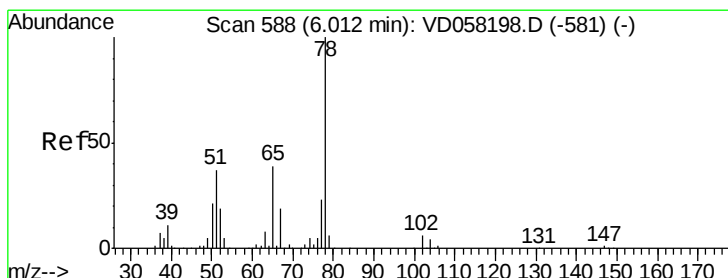
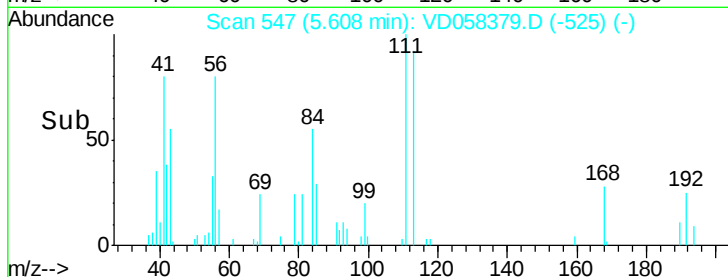
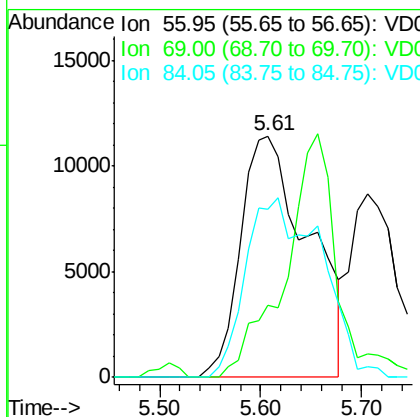
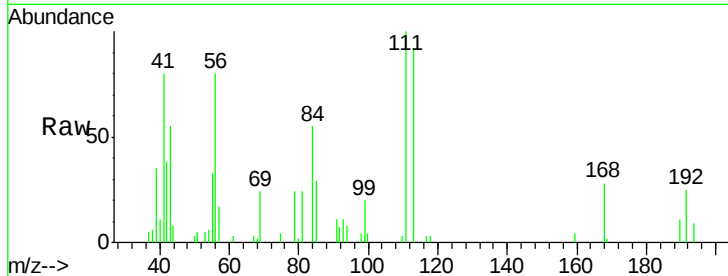
#31
Cyclohexane
Concen: 1.16 ug/l
RT: 5.61 min Scan# 547
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampleId :
DUP-0481-180621

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.6	35.4
84	69.5	65.2	97.8

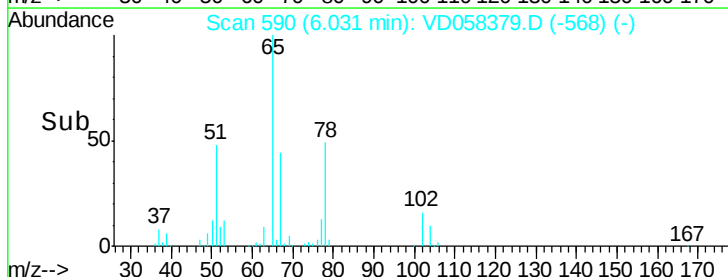
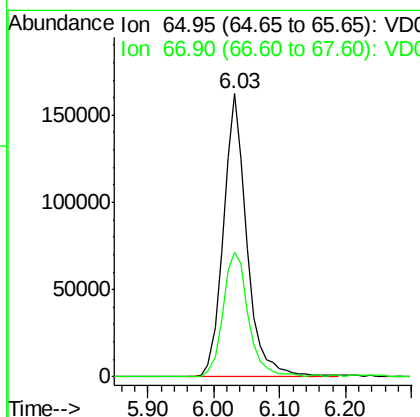
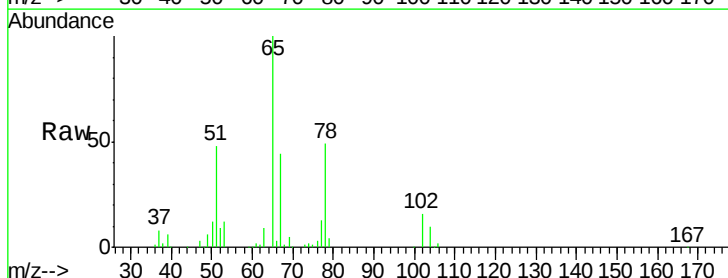
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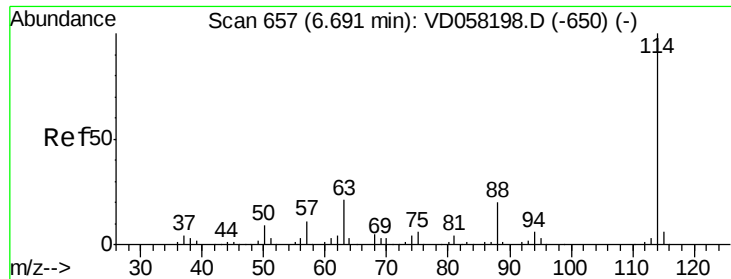
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#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion	Ratio	Lower	Upper
65	100		
67	44.2	0.0	97.8





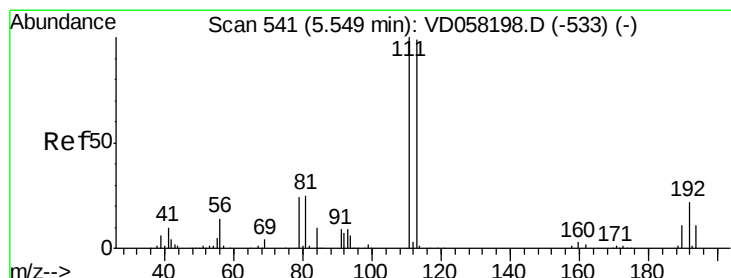
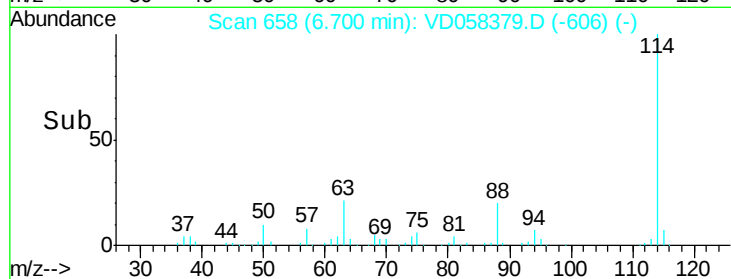
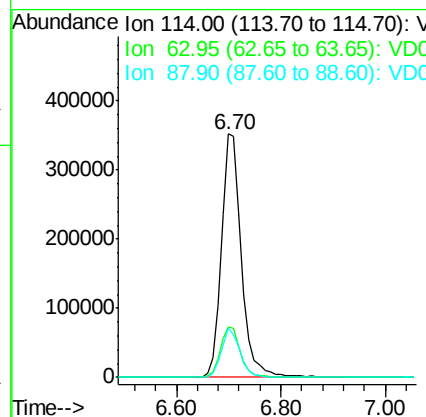
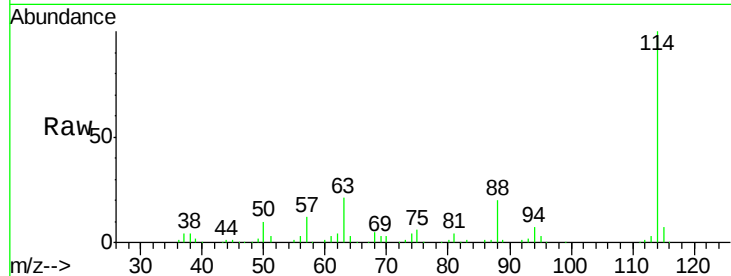
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Instrument :
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 DUP-0481-180621

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.8	0.0	42.6
88	20.0	0.0	40.6

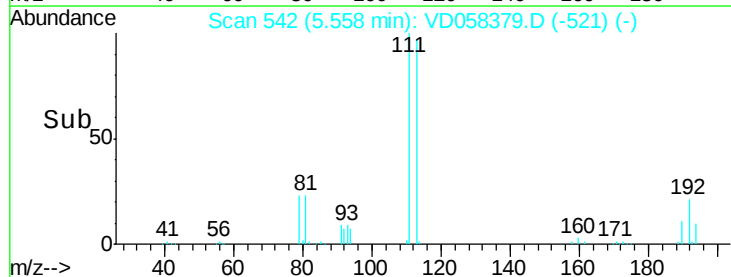
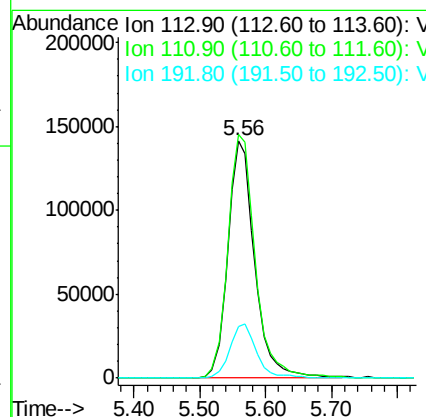
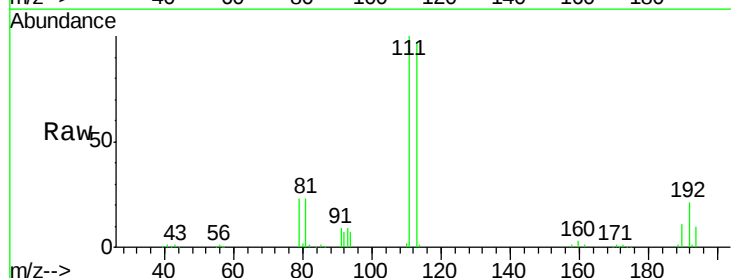
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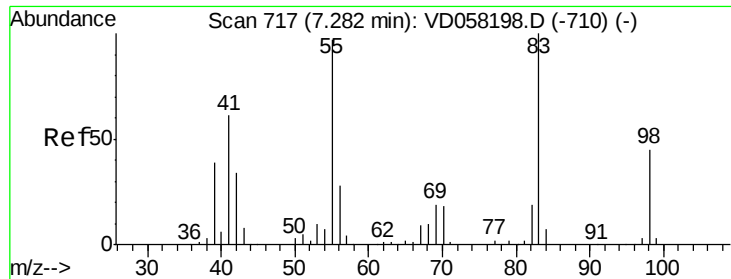
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#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.6	80.6	121.0
192	21.5	17.8	26.6





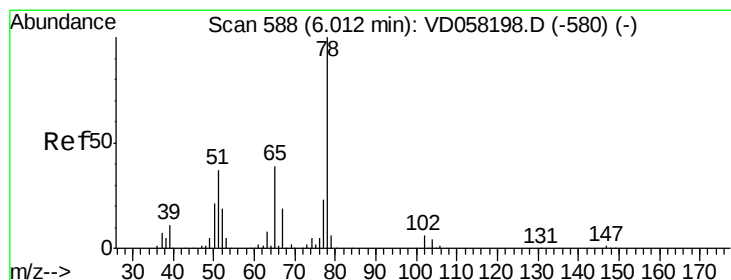
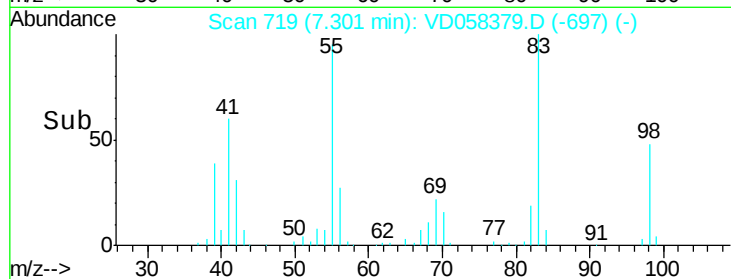
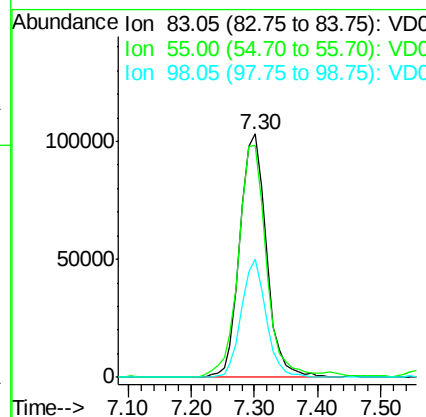
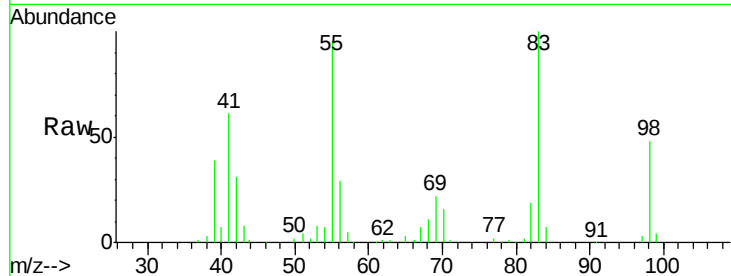
#39
Methvlcvclohexane
Concen: 33.50 ug/l
RT: 7.30 min Scan# 719
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampleId :
DUP-0481-180621

Tot Ion	83	Resp	300486
Ion Ratio	100	Lower	Upper
83	100		
55	95.4	77.4	116.2
98	48.4	35.9	53.9

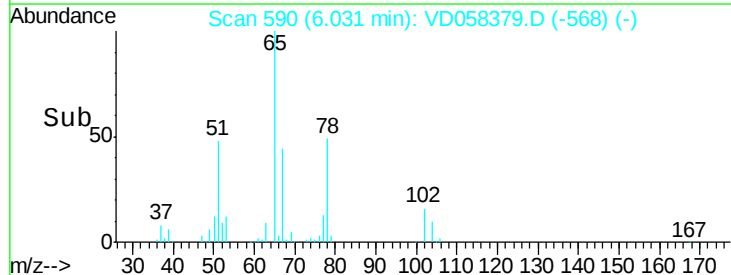
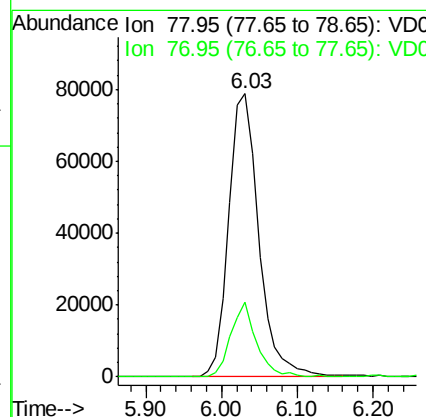
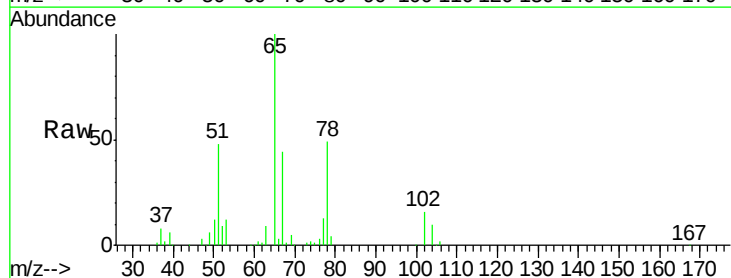
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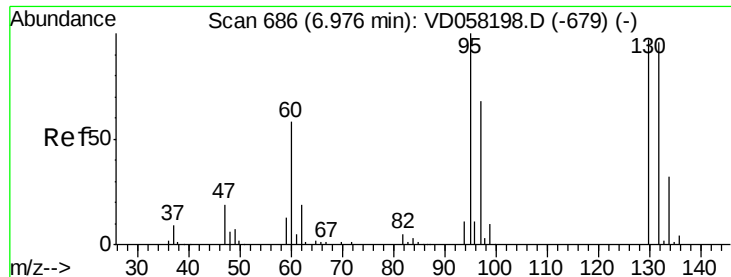
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#40
Benzene
Concen: 9.91 ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion	78	Resp	217331
Ion Ratio	100	Lower	Upper
78	100		
77	26.6	18.5	27.7





#44

Trichloroethene

Concen: 4.55 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

DUP-0481-180621

Tot Ion:130 Resp: 29996

Ion Ratio Lower Upper

130 100

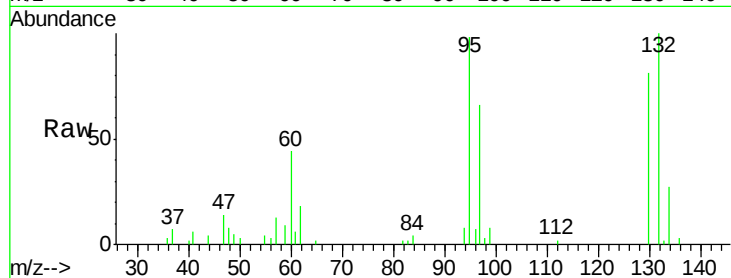
95 120.6 0.0 205.6

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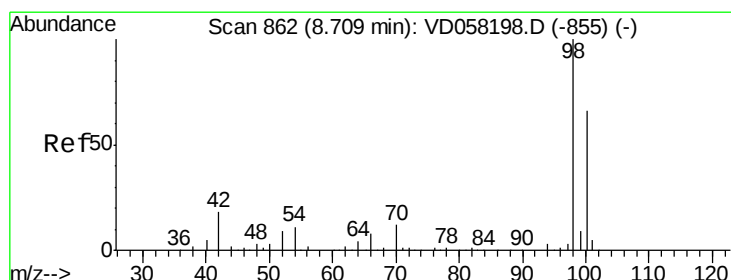
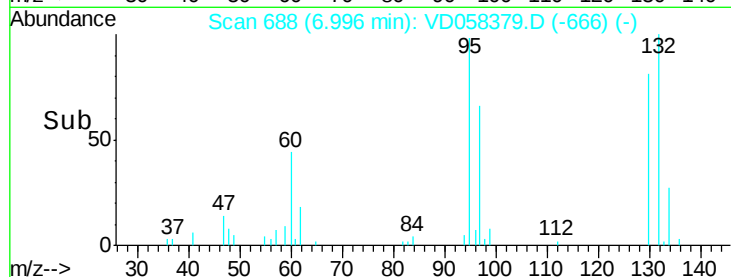
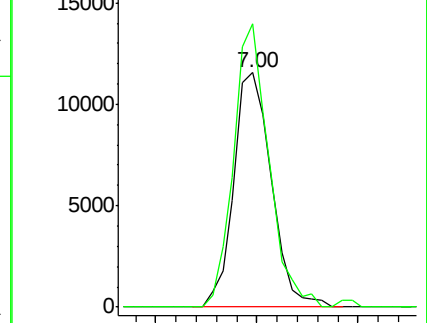
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058379.D

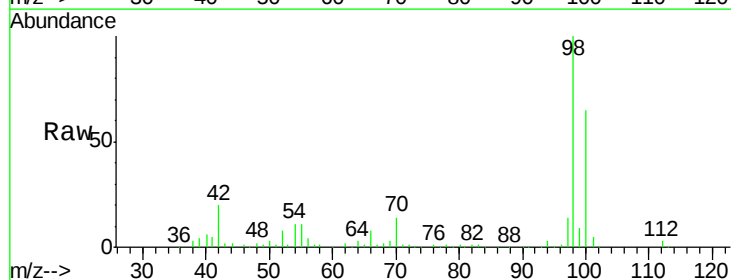
Acq: 24 Jun 2018 18:43

Tgt Ion: 98 Resp: 901260

Ion Ratio Lower Upper

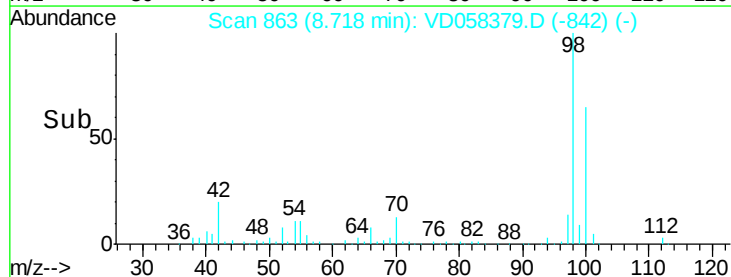
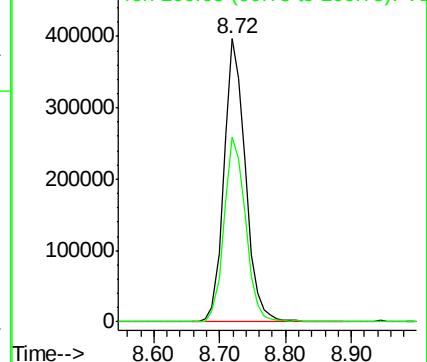
98 100

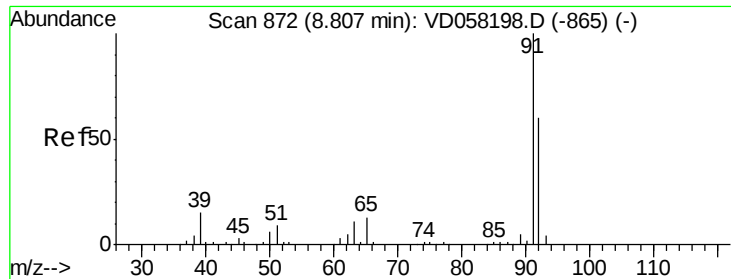
100 65.3 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





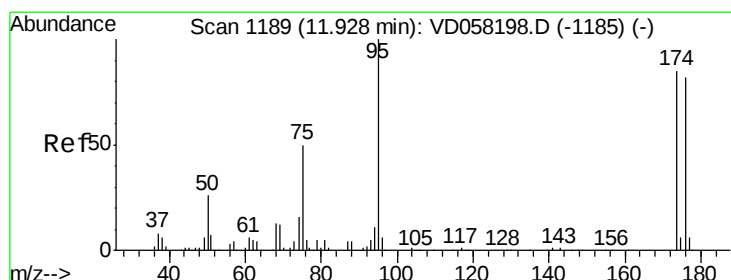
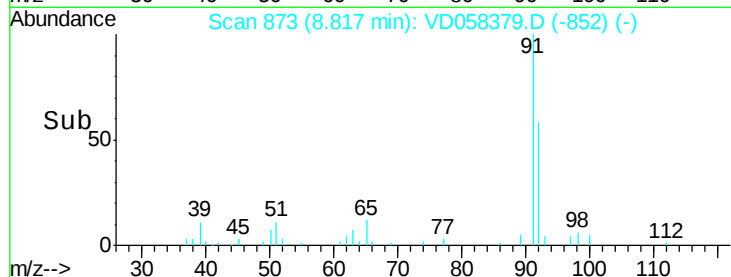
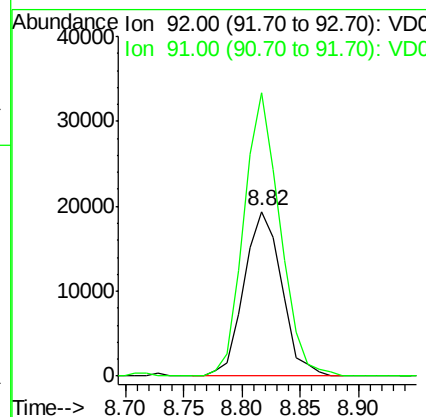
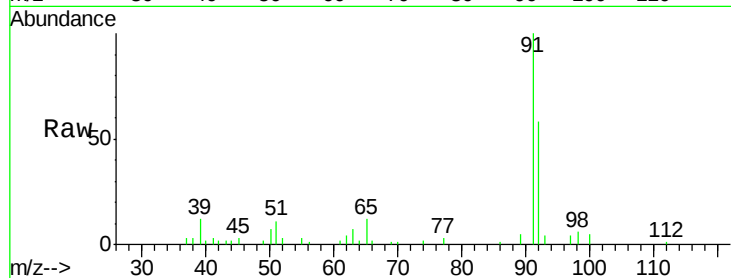
#52
Toluene
Concen: 3.48 ug/l
RT: 8.82 min Scan# 873
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampleId :
DUP-0481-180621

Tot Ion: 92 Resp: 43520
Ion Ratio Lower Upper
92 100
91 171.6 133.2 199.8

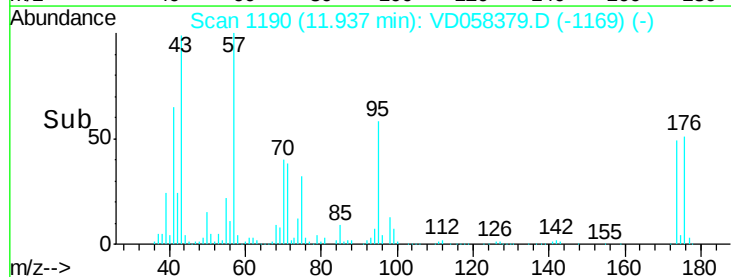
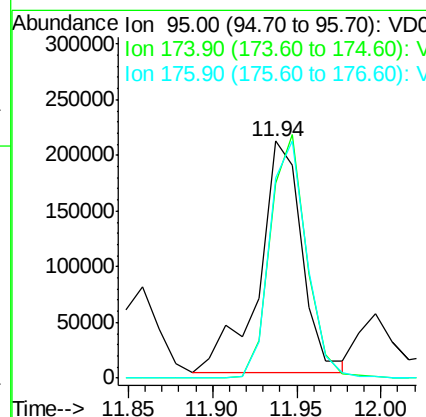
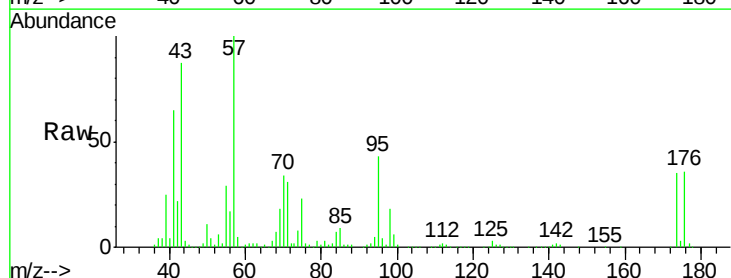
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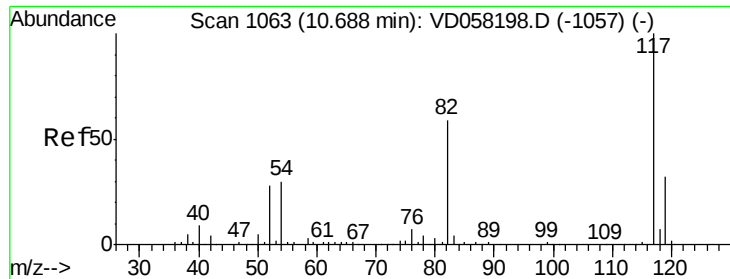
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#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion: 95 Resp: 369237
Ion Ratio Lower Upper
95 100
174 82.0 0.0 170.2
176 84.3 0.0 164.6





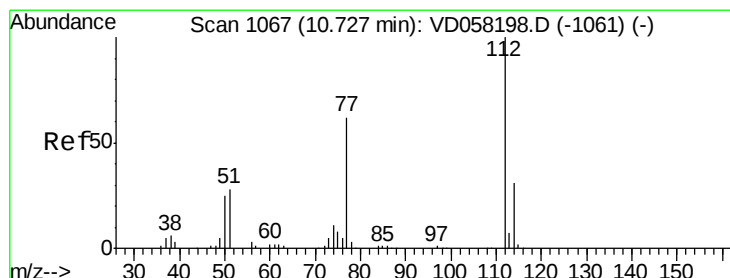
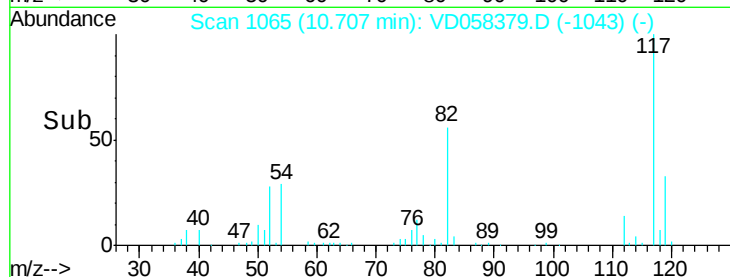
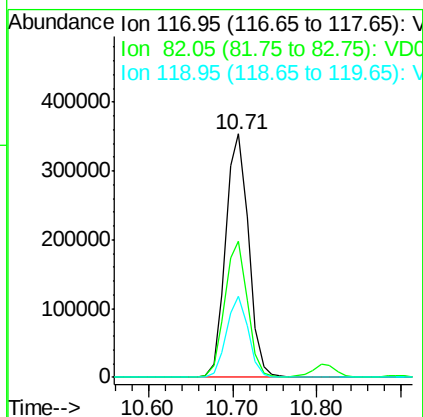
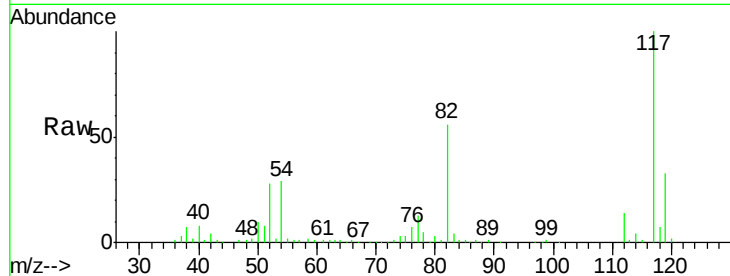
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampleId :
DUP-0481-180621

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.0	70.6
119	33.1	25.3	37.9

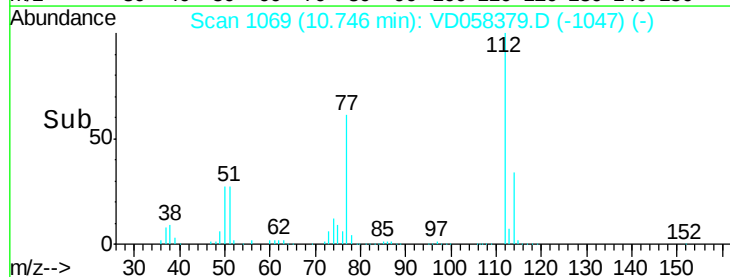
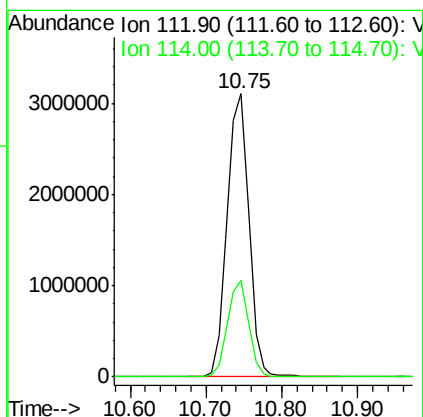
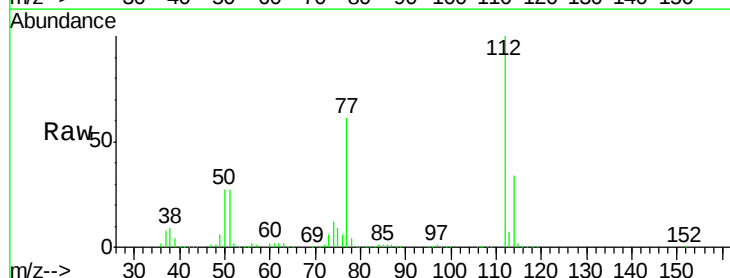
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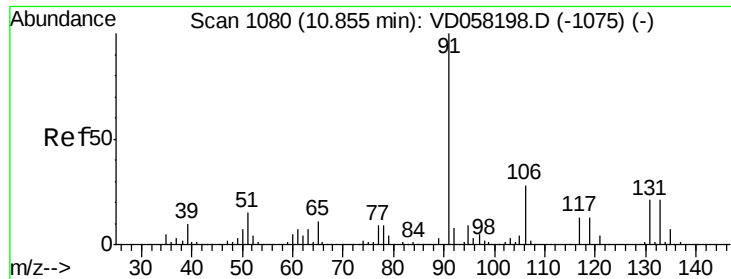
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#65
Chlorobenzene
Concen: 492.54 ug/l
RT: 10.75 min Scan# 1069
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.0	25.0	37.4





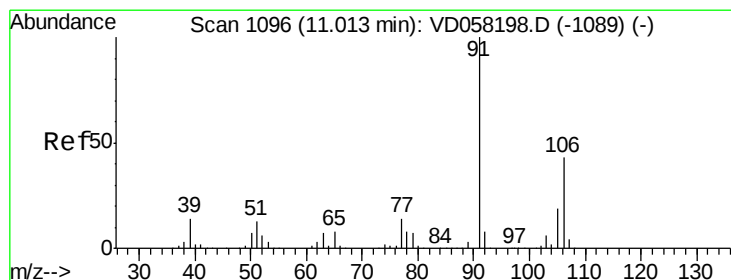
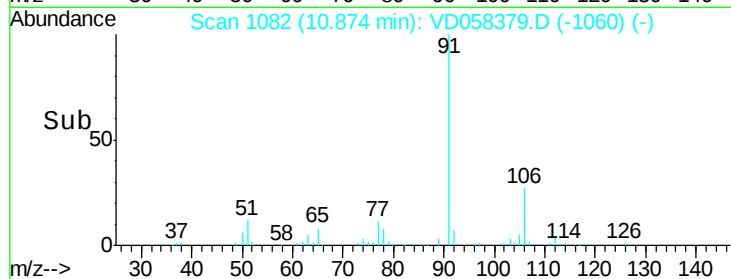
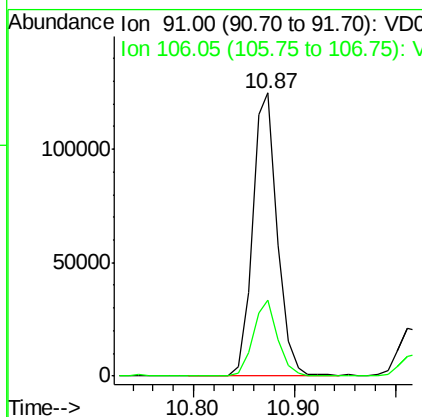
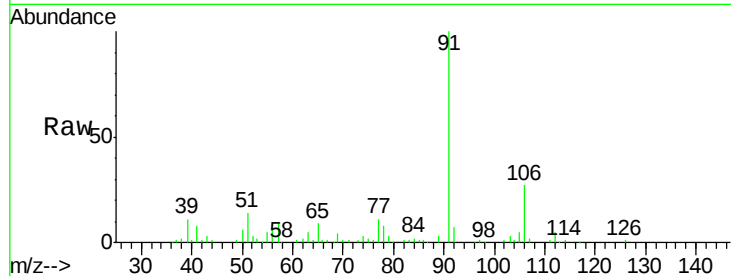
#67
Ethyl Benzene
Concen: 9.68 ug/l
RT: 10.87 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampleId :
DUP-0481-180621

Tot Ion: 91 Resp: 213947
Ion Ratio Lower Upper
91 100
106 26.7 22.0 33.0

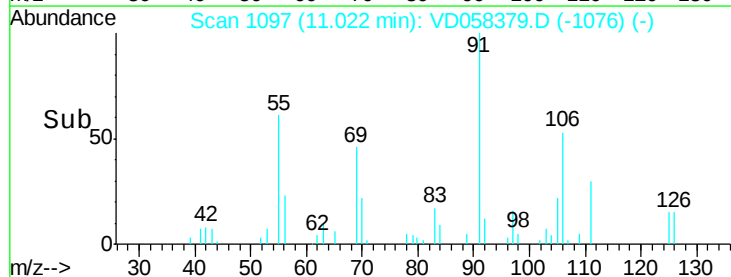
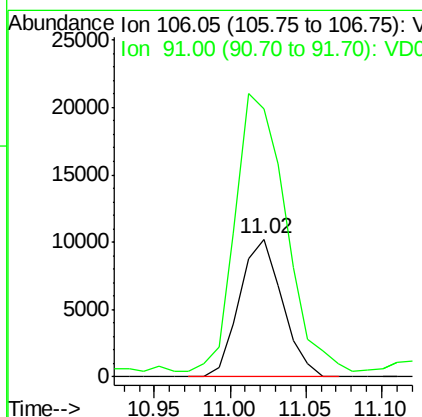
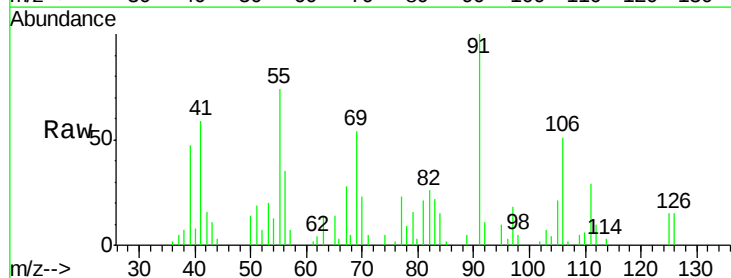
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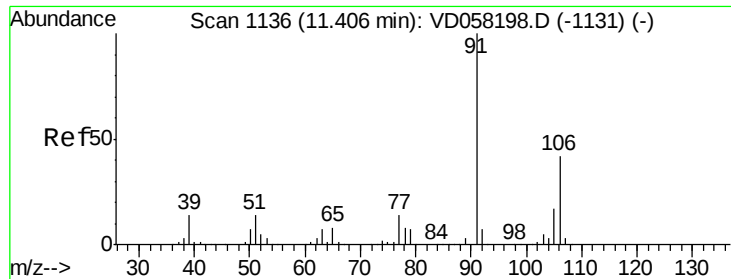
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#68
m/p-Xylenes
Concen: 2.73 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion: 106 Resp: 20152
Ion Ratio Lower Upper
106 100
91 194.6 185.0 277.6





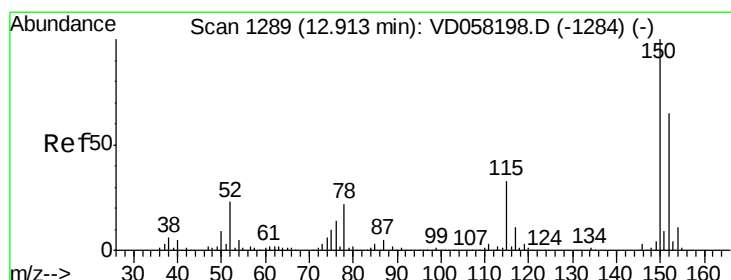
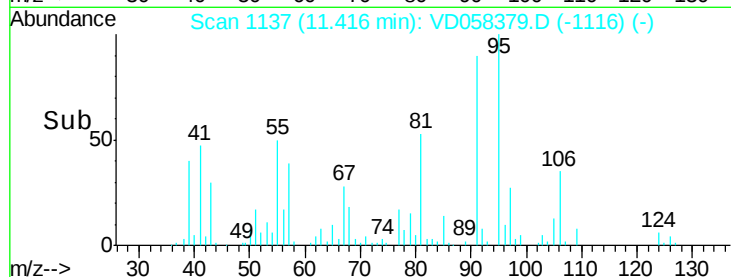
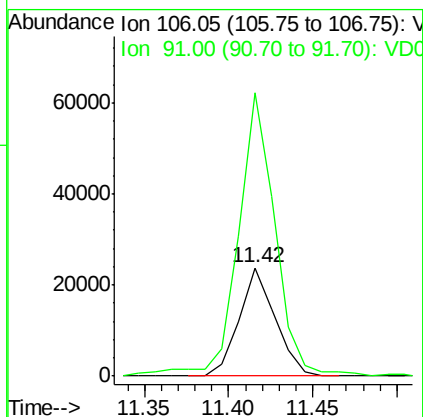
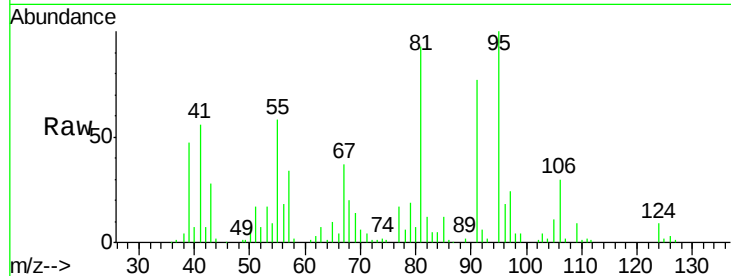
#69
o-Xylene
Concen: 5.00 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampleId :
DUP-0481-180621

Tot Ion:106 Resp: 35213
Ion Ratio Lower Upper
106 100
91 261.3 120.2 360.6

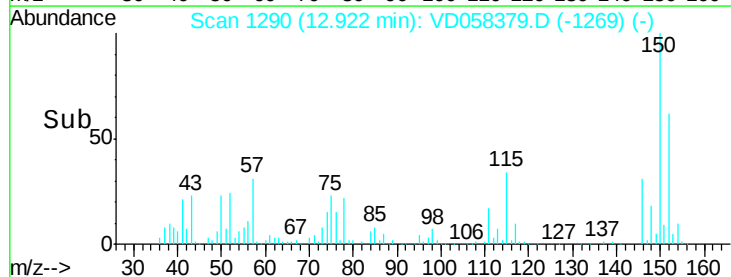
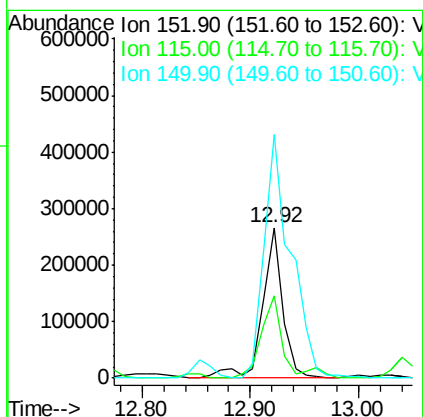
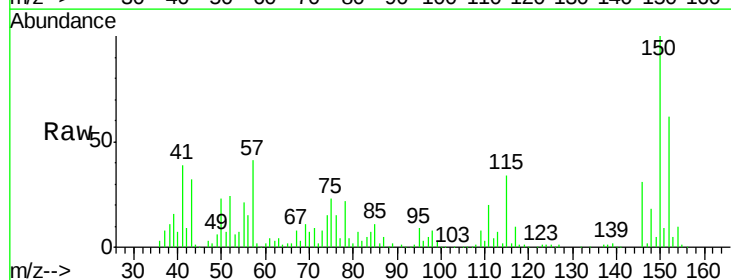
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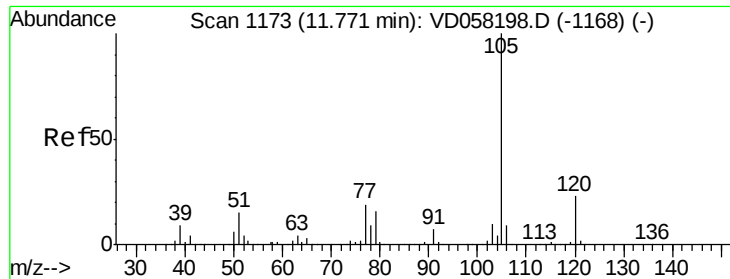
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.92 min Scan# 1290
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion:152 Resp: 344370
Ion Ratio Lower Upper
152 100
115 54.5 25.1 75.3
150 162.1 0.0 308.8





#73

Isopropylbenzene

Concen: 14.09 ug/l

RT: 11.79 min Scan# 1175

Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

DUP-0481-180621

Tot Ion:105 Resp: 290255

Ion Ratio Lower Upper

105 100

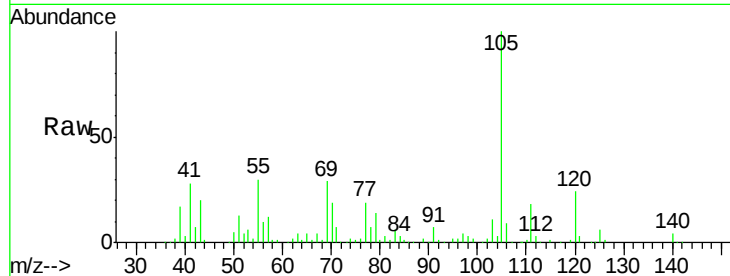
120 23.6 11.6 34.8

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.79

200000

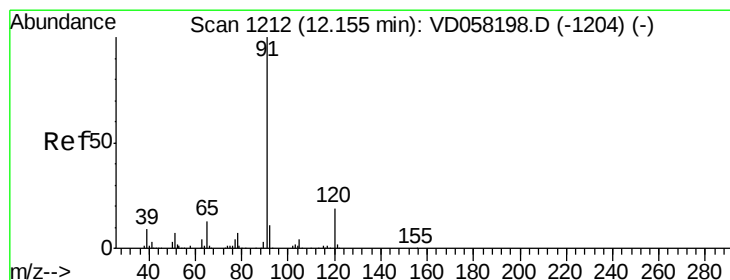
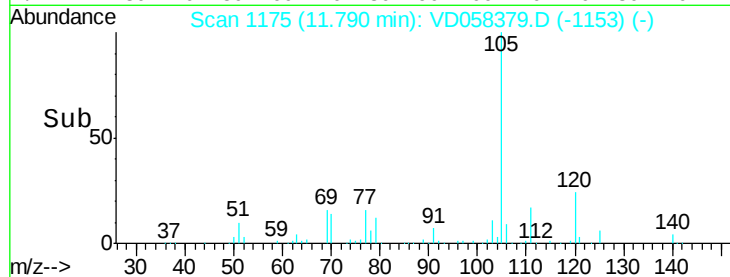
150000

100000

50000

0

Time--> 11.70 11.80 11.90



#78

n-propylbenzene

Concen: 26.77 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058379.D

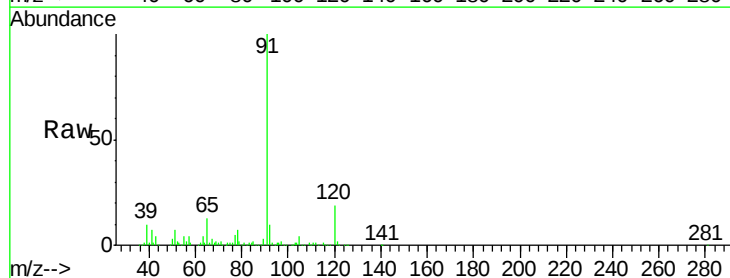
Acq: 24 Jun 2018 18:43

Tgt Ion: 91 Resp: 712077

Ion Ratio Lower Upper

91 100

120 19.2 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

12.16

600000

500000

400000

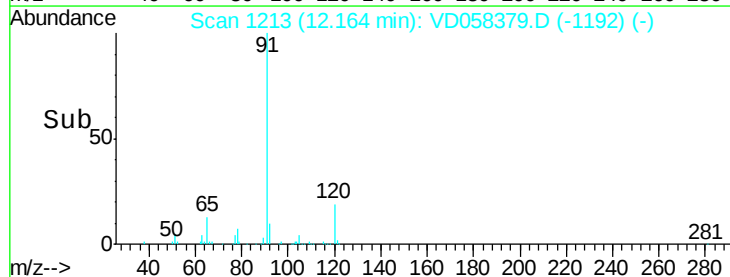
300000

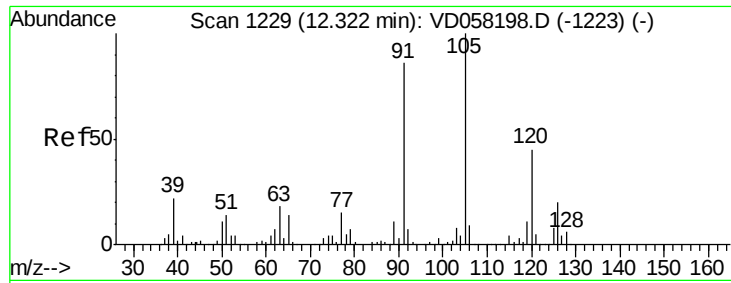
200000

100000

0

Time--> 12.10 12.15 12.20





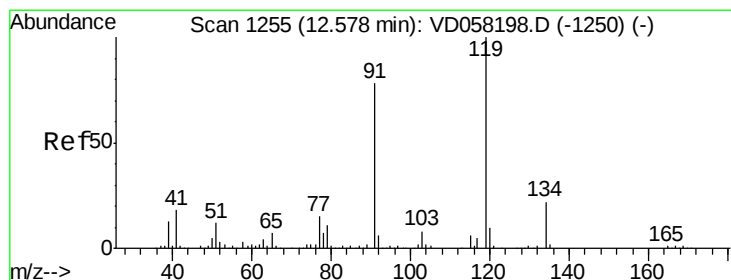
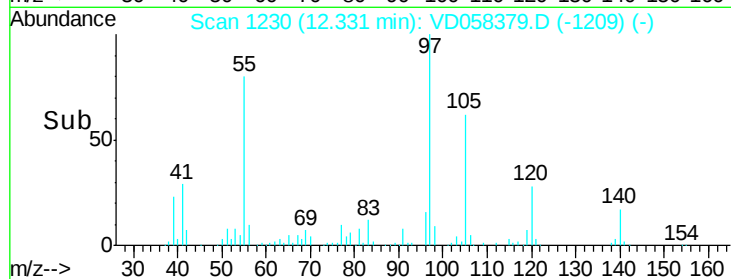
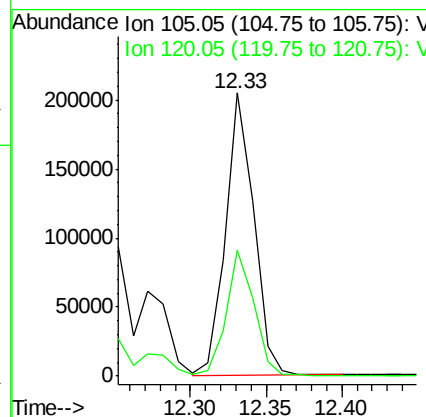
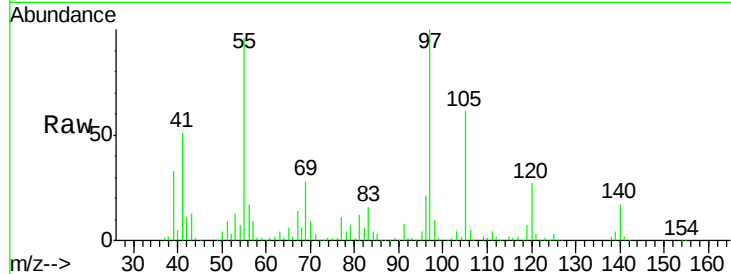
#80
 1,3,5-Trimethylbenzene
 Concen: 16.51 ug/l
 RT: 12.33 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-0481-180621

Tot Ion:105 Resp: 265270
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.5 67.5

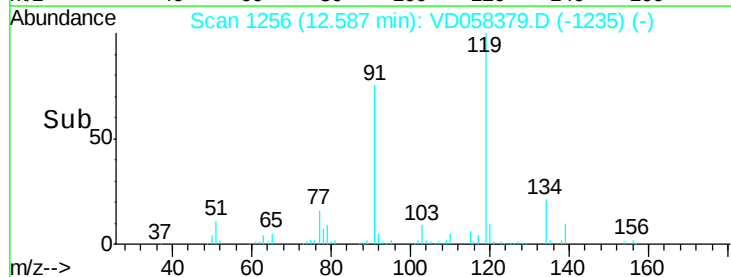
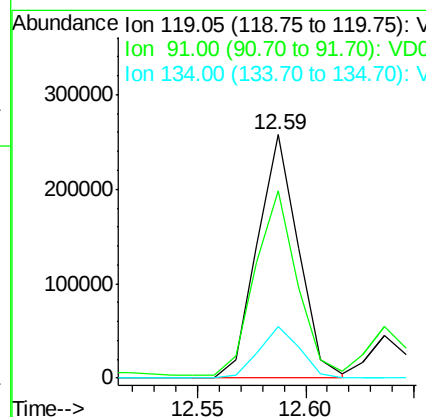
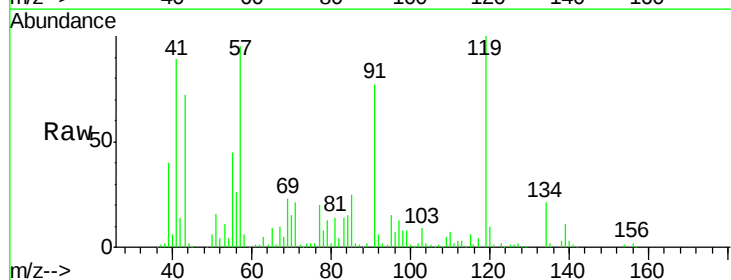
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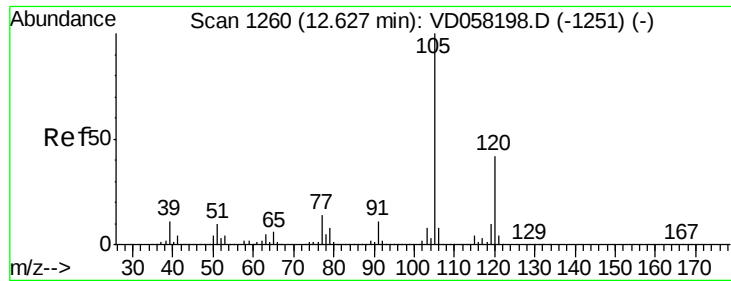
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#83
 tert-Butylbenzene
 Concen: 18.55 ug/l
 RT: 12.59 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion:119 Resp: 342585
 Ion Ratio Lower Upper
 119 100
 91 76.9 38.9 116.6
 134 21.0 11.2 33.5





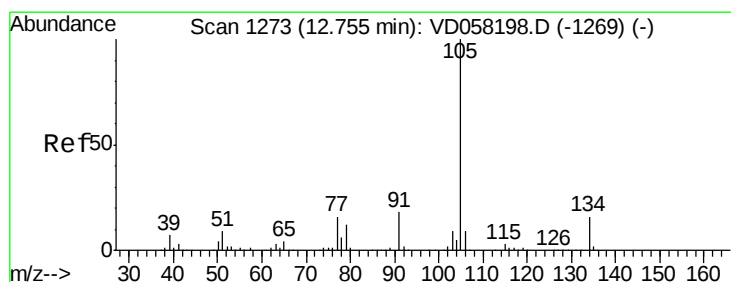
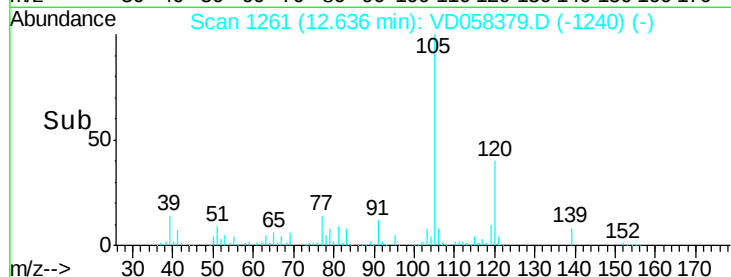
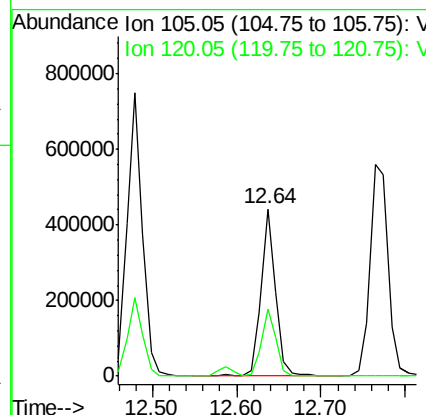
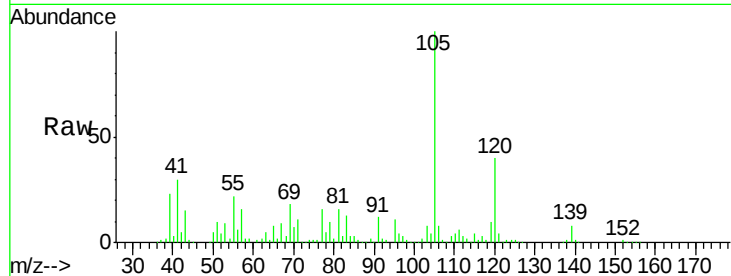
#84
 1,2,4-Trimethylbenzene
 Concen: 30.43 ug/l
 RT: 12.64 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-0481-180621

Tot Ion:105 Resp: 531484
 Ion Ratio Lower Upper
 105 100
 120 40.0 20.8 62.4

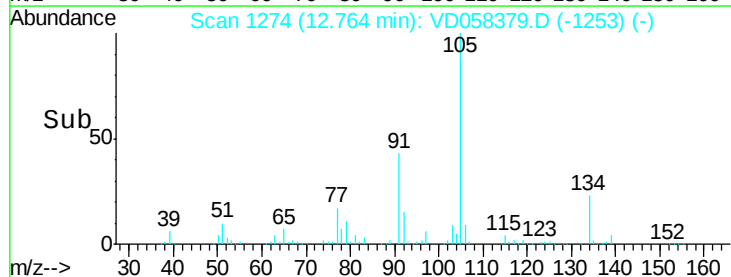
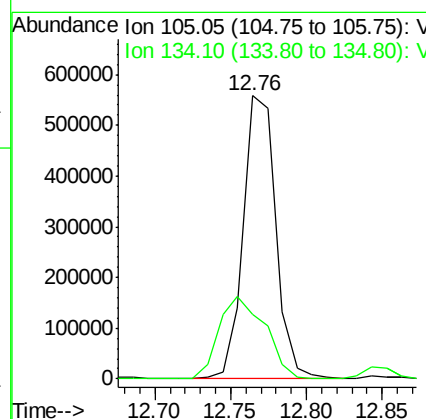
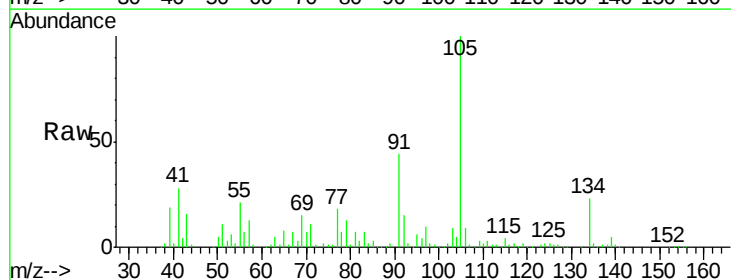
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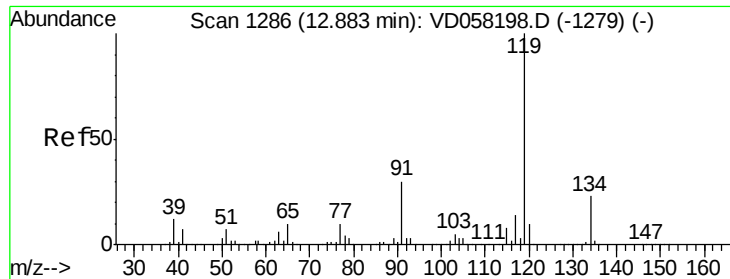
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#85
 sec-Butylbenzene
 Concen: 38.31 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion:105 Resp: 829407
 Ion Ratio Lower Upper
 105 100
 134 22.9 8.1 24.3





#86

p-Isopropyltoluene

Concen: 7.23 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

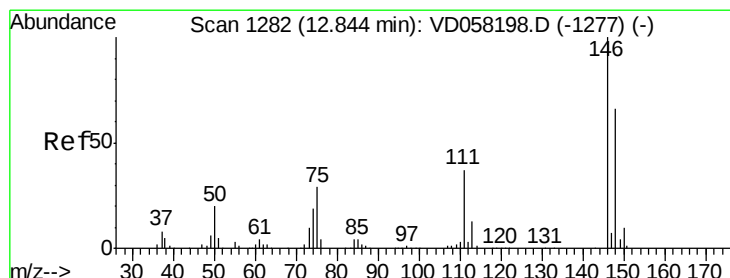
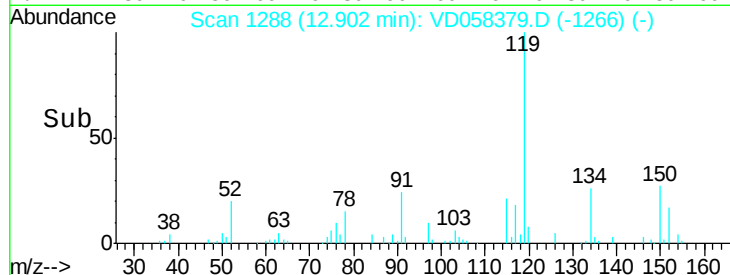
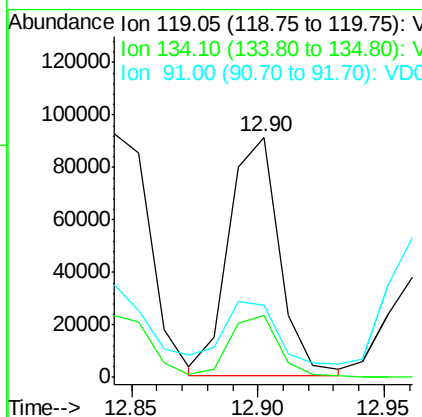
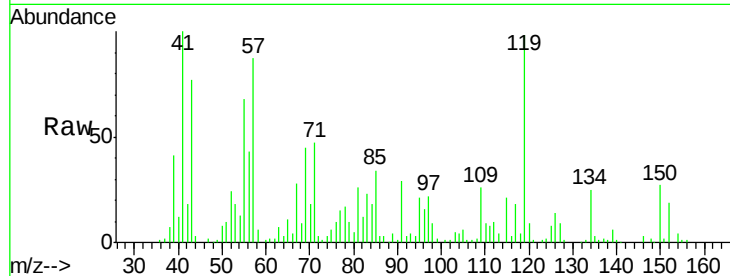
ClientSampleId :

DUP-0481-180621

Tot Ion:	119	Resp:	126766
Ion Ratio	Lower	Upper	
119	100		
134	25.9	11.6	34.8
91	30.1	15.0	45.1

Manual Integrations
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#87

1,3-Dichlorobenzene

Concen: 37.60 ug/l

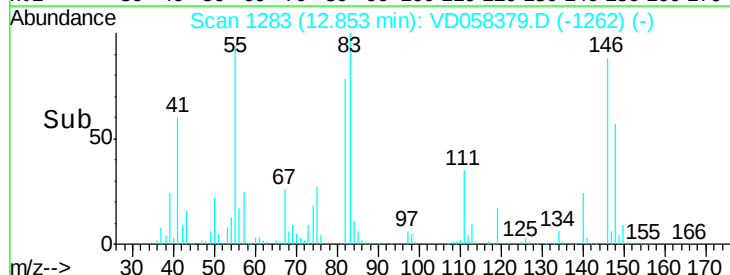
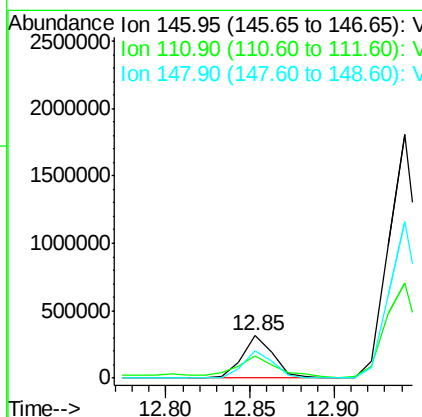
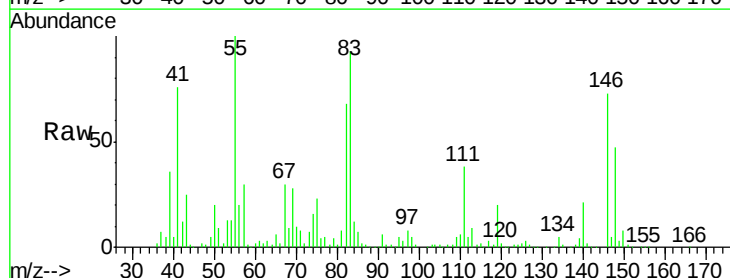
RT: 12.85 min Scan# 1283

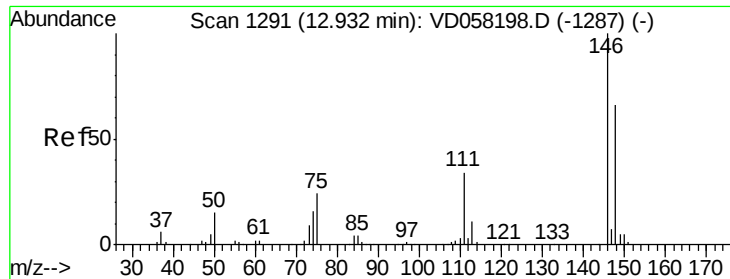
Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Tgt Ion:	146	Resp:	403099
Ion Ratio	Lower	Upper	
146	100		
111	52.3	18.4	55.0
148	64.9	32.8	98.4





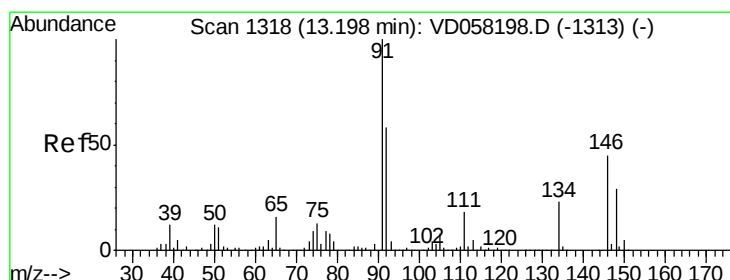
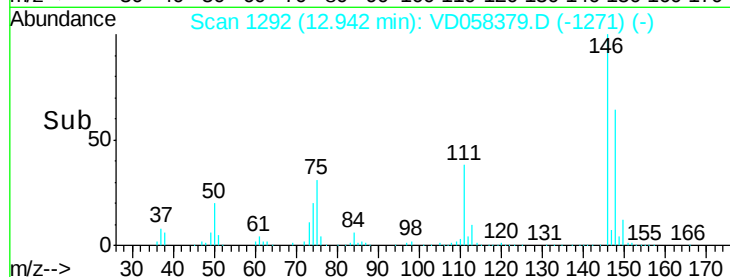
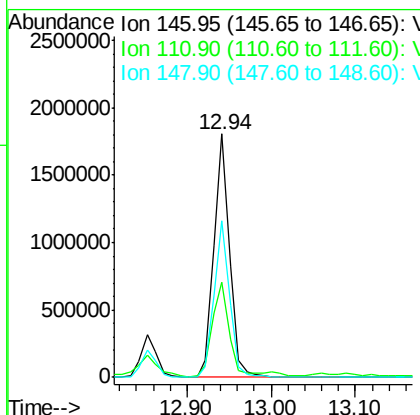
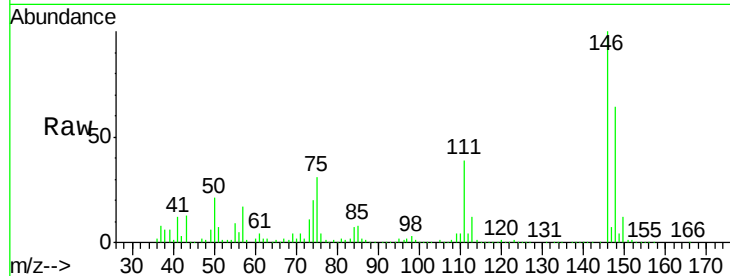
#88
 1,4-Dichlorobenzene
 Concen: 223.09 ug/l
 RT: 12.94 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-0481-180621

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	17.2	51.5
148	64.2	33.1	99.3

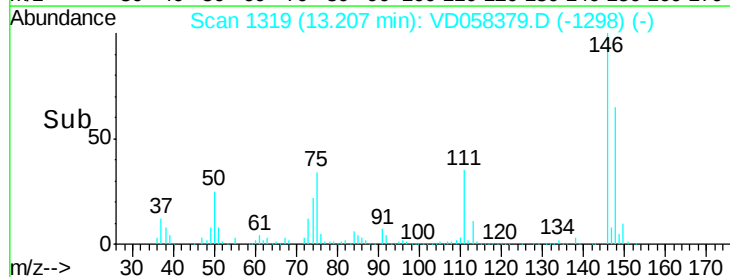
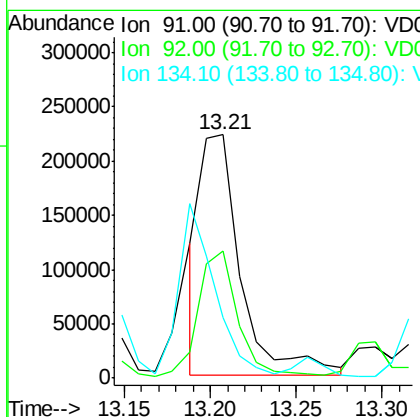
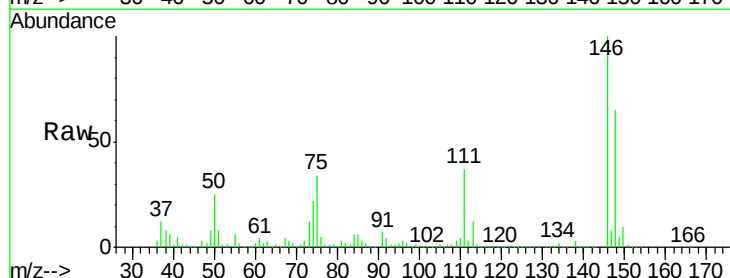
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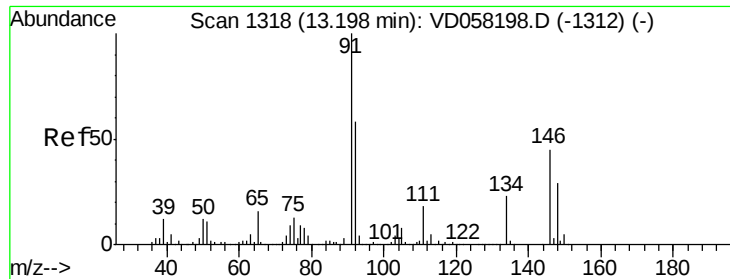
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#89
 n-Butylbenzene
 Concen: 20.04 ug/l m
 RT: 13.21 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	29.2	87.6
134	24.8	11.3	33.8





#91
 1,2-Dichlorobenzene
 Concen: 672.14 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. 0.02 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

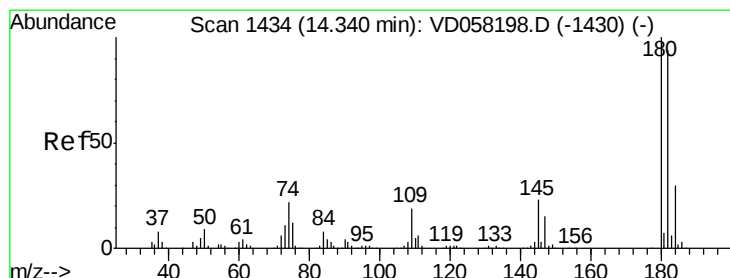
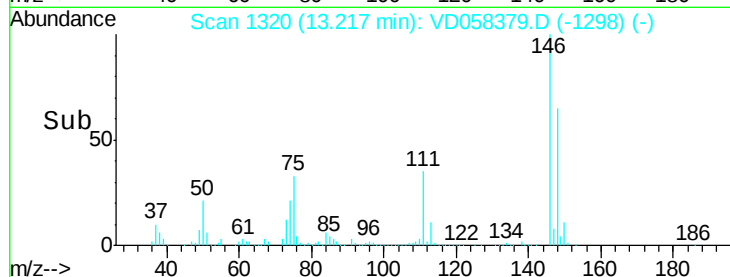
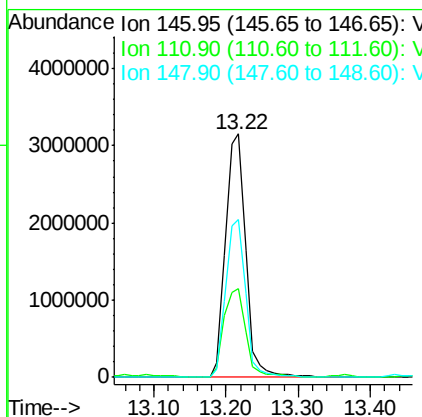
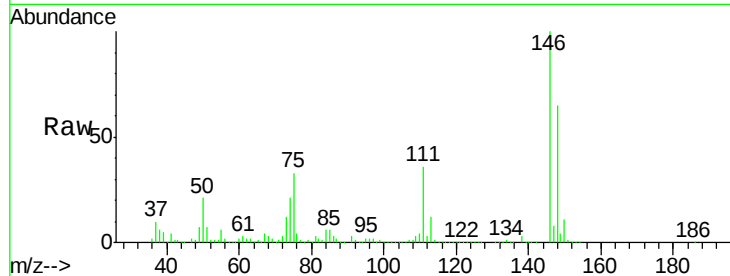
Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-0481-180621

Tot Ion:146 Resp: 6132220

Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.6	58.7
148	64.9	32.0	96.2

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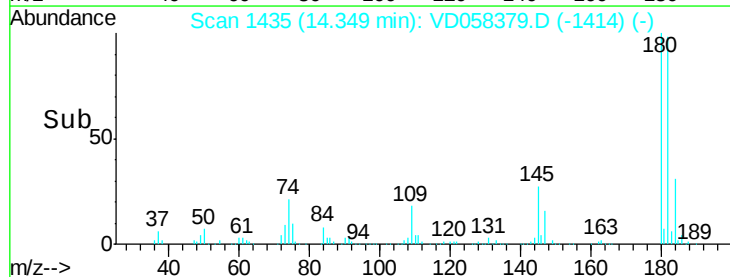
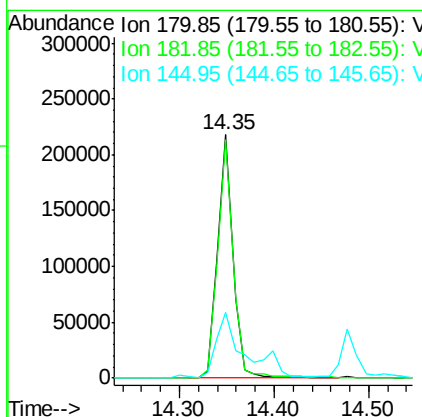
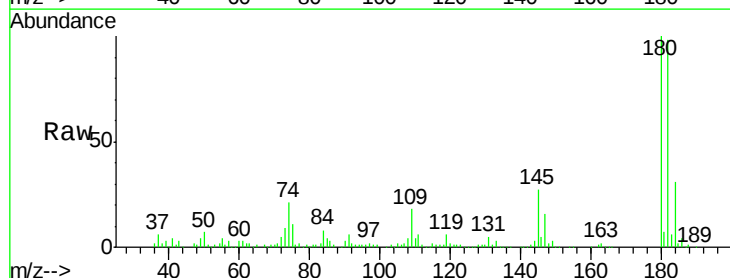
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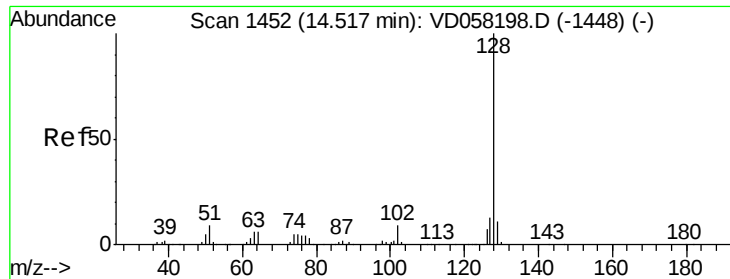


#93
 1,2,4-Trichlorobenzene
 Concen: 28.43 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion:180 Resp: 248065

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.1	141.3
145	27.0	11.7	35.0





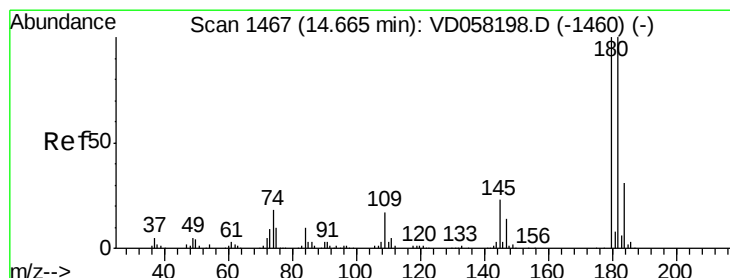
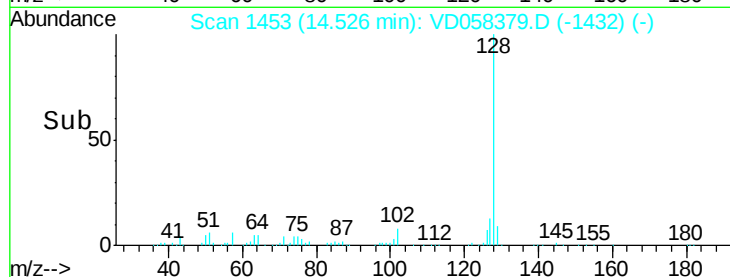
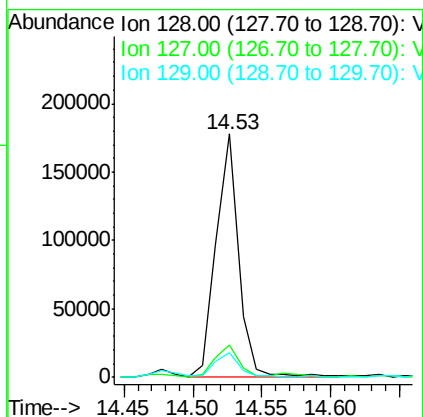
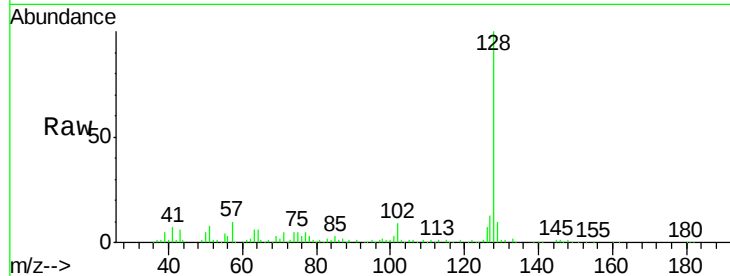
#95
Naphthalene
Concen: 17.25 ug/l
RT: 14.53 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampleId :
DUP-0481-180621

Tot Ion	Ratio	Resp	Lower	Upper
128	100	198315		
127	13.2	10.0	15.0	
129	10.4	8.7	13.1	

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#96
1,2,3-Trichlorobenzene
Concen: 5.11 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	39038		
182	86.3	49.9	149.6	
145	35.3	11.7	35.1#	

